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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/084,813

DATE: 03/12/2002
TIME: 15:18:45

Input Set : A:\215875.ST25.txt
Output Set: N:\CRF3\03122002\J084813.raw

3 <110> APPLICANT: SAXINGER, CARL
5 <120> TITLE OF INVENTION: POLYPEPTIDES THAT BIND HIV GP120 AND RELATED NUCLEIC
6 ACIDS, ANTIBODIES, COMPOSITIONS, AND METHODS OF USE
8 <130> FILE REFERENCE: 215875
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/084,813
11 <141> CURRENT FILING DATE: 2002-02-27
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/23505
14 <151> PRIOR FILING DATE: 2000-08-25
16 <150> PRIOR APPLICATION NUMBER: US 60/151,270
17 <151> PRIOR FILING DATE: 1999-08-27
19 <160> NUMBER OF SEQ ID NOS: 1242
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 9
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Synthetic
31 <220> FEATURE:
32 <221> NAME/KEY: misc_feature
33 <222> LOCATION: (4)..(4)
34 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
36 <220> FEATURE: ✓
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (7)..(8)
39 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
41 <400> SEQUENCE: 1
W--> 42 Tyr Asp Ile Xaa Tyr Tyr Xaa Xaa Glu
43 1 5
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 9
47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Synthetic
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <222> LOCATION: (4)..(4)
56 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (7)..(8)
61 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.

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63 <400> SEQUENCE: 2
W--> 64 Tyr Asp Ile Xaa Tyr Tyr Xaa Xaa Glu
65      1              5
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 9
69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
75 <400> SEQUENCE: 3
76 Tyr Asp Ile Asn Tyr Tyr Thr Ser Glu
77      1              5
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 18
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Synthetic
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (1)..(2)
90 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (4)..(6)
95 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (8)..(8)
100 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (13)..(13)
105 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (16)..(17)
110 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
112 <400> SEQUENCE: 4
W--> 113 Xaa Xaa Tyr Xaa Xaa Xaa Ser Xaa Ile Tyr Asp Ile Xaa Tyr Tyr Xaa
114      1              5              10              15
W--> 116 Xaa Glu
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 18
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
126 <400> SEQUENCE: 5

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RAW SEQUENCE LISTING
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127 Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
128   1               5               10               15
130 Ser Glu
132 <210> SEQ ID NO: 6
133 <211> LENGTH: 15
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Synthetic
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (1)..(1)
143 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (3)..(3)
148 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
150 <220> FEATURE:
151 <221> NAME/KEY: misc_feature
152 <222> LOCATION: (5)..(5)
153 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (8)..(10)
158 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
160 <220> FEATURE:
161 <221> NAME/KEY: misc_feature
162 <222> LOCATION: (13)..(15)
163 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
165 <400> SEQUENCE: 6
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167   1               5               10               15
169 <210> SEQ ID NO: 7
170 <211> LENGTH: 11
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Synthetic
177 <220> FEATURE:
178 <221> NAME/KEY: misc_feature
179 <222> LOCATION: (2)..(2)
180 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (4)..(4)
185 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (7)..(9)

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190 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
192 <400> SEQUENCE: 7
W--> 193 Glu Xaa Ile Xaa Ile Tyr Xaa Xaa Xaa Asn Tyr
194     1             5             10
196 <210> SEQ ID NO: 8
197 <211> LENGTH: 15
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Synthetic
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (1)
207 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (3)
212 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (5)
217 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (8)..(10)
222 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <222> LOCATION: (13)..(15)
227 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
229 <400> SEQUENCE: 8
W--> 230 Xaa Glu Xaa Ile Xaa Ile Tyr Xaa Xaa Xaa Asn Tyr Xaa Xaa Xaa
231     1             5             10             15
233 <210> SEQ ID NO: 9
234 <211> LENGTH: 15
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Synthetic
241 <220> FEATURE:
242 <221> NAME/KEY: misc_feature
243 <222> LOCATION: (1)
244 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (13)..(15)
249 <223> OTHER INFORMATION: "Xaa" is a variable amino acid.
251 <400> SEQUENCE: 9
W--> 252 Xaa Glu Gly Ile Ser Ile Tyr Thr Ser Asp Asn Tyr Xaa Xaa Xaa

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Input Set : A:\215875.ST25.txt
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253      1              5              10              15
255 <210> SEQ ID NO: 10
256 <211> LENGTH: 9
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
263 <400> SEQUENCE: 10
264 Glu His Gln Ala Phe Leu Gln Phe Ser
265      1              5
267 <210> SEQ ID NO: 11
268 <211> LENGTH: 18
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
275 <400> SEQUENCE: 11
276 Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn
277      1              5              10              15
279 Met Leu
281 <210> SEQ ID NO: 12
282 <211> LENGTH: 22
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
289 <400> SEQUENCE: 12
290 Gln Trp Asp Phe Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr
291      1              5              10              15
293 Phe Ile Gly Phe Phe Ser
294      20
296 <210> SEQ ID NO: 13
297 <211> LENGTH: 18
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
304 <400> SEQUENCE: 13
305 Ser Gln Tyr Gln Phe Trp Lys Asn Phe Gln Thr Leu Lys Ile Val Ile
306      1              5              10              15
308 Leu Gly
310 <210> SEQ ID NO: 14
311 <211> LENGTH: 22
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: binding peptide
318 <400> SEQUENCE: 14
319 Ala Pro Tyr Asn Ile Val Leu Leu Leu Asn Thr Phe Gln Glu Phe Phe

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/084,813

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Input Set : A:\215875.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 4,7,8
Seq#:2; Xaa Pos. 4,7,8
Seq#:4; Xaa Pos. 1,2,4,5,6,8,13,16,17
Seq#:6; Xaa Pos. 1,3,5,8,9,10,13,14,15
Seq#:7; Xaa Pos. 2,4,7,8,9
Seq#:8; Xaa Pos. 1,3,5,8,9,10,13,14,15
Seq#:9; Xaa Pos. 1,13,14,15

VERIFICATION SUMMARY

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Input Set : A:\215875.ST25.txt

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L:10 M:270 C: Current Application Number differs, Wrong Format
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0